

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 63-166824
(43) Date of publication of application : 11.07.1988

(51) Int. Cl.

A61K 9/48

(21) Application number : 61-312368 (71) Applicant : TOYO JOZO CO LTD
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(54) SOFT CAPSULE

(57) Abstract:

PURPOSE: To obtain an essentially transparent or semi-transparent soft capsule having improved light-stability of drug contained therein, by covering an oily solution containing a light-unstable drug with a capsule skin containing specific fine particles of titanium oxide.

CONSTITUTION: A solution containing a light-unstable drug is covered with a capsule skin (a combination of gelatin, glycerol and various preservatives) containing fine particles of titanium oxide having a maximum particle diameter of $\leq 0.1\mu\text{m}$ and an average particle diameter of $0.01\text{W}0.07\mu\text{m}$. Particles having diameter of $\leq 0.1\mu\text{m}$ account for at least 85% of the whole particles. The amount of the titanium oxide fine particle is $\geq 0.001\text{wt.}\%$, preferably $0.01\text{W}5\text{wt.}\%$ based on the total amount of the constituent components for the capsule skin.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]